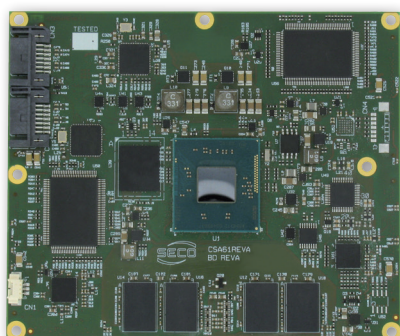




ETX-A61

ETX® Module with the Intel® Atom™ E3800 and Celeron® families (formerly Bay Trail) SoC

Update your legacy design



HIGHLIGHTS



CPU
Intel® Atom™ E3800 and Celeron® families



CONNECTIVITY
PCI Bus 2.3; ISA Bus; LPT; PS/2



GRAPHICS
Integrated Intel® HD graphics 4000 Series controller
Dual independent display support



MEMORY
DDR3L memory soldered onboard

ETX® 3.0
Long Term Support

Intel IoT Solutions Alliance



Windows 8.1

Windows 10

Windows IoT



Windows Embedded Standard 8



Linux

yocto PROJECT

DEVELOPMENT SAMPLING PRODUCTION

MAIN FIELDS OF APPLICATION



Automation



Automotive



Avionics



Biomedical/
Medical
devices



HMI



Industrial
Automation
and Control



Robotics



Surveillance

FEATURES

 Processor	Intel® Atom™ E3845 , Quad Core @1.91GHz, 2MB Cache, 10W TDP Intel® Atom™ E3827 , Dual Core @1.75GHz, 1MB Cache, 8W TDP Intel® Atom™ E3826 , Dual Core @1.46GHz, 1MB Cache, 7W TDP Intel® Atom™ E3825 , Dual Core @1.33GHz, 1MB Cache, 6W TDP Intel® Atom™ E3815 , Single Core @1.46GHz, 512KB Cache, 5W TDP Intel® Celeron® J1900 , Quad Core @2.0GHz, 2MB Cache, 10W TDP Intel® Celeron® N2930 , Quad Core @1.83GHz, 2MB Cache, 7.5W TDP Intel® Celeron® N2807 , Dual Core @1.58GHz, 1MB Cache, 4.3W TDP
 Max Cores	4
 Max Thread	4
 Memory	DDR3L memory soldered on-board E3845, E3827, J1900, N2930: up to 8GB Dual-Channel DDR3L 1333MHz E3826: up to 8GB Dual-Channel DDR3L 1066MHz N2807: up to 4GB Single-Channel DDR3L 1333MHz E3825, E3815: up to 4GB Single-Channel DDR3L 1066MHz
 Graphics	Integrated Intel® HD Graphics 4000 series controller Dual independent display support HW decoding of H.264, MPEG2, MVC, VC1, VP8, MJPEG formats HW encoding of H.264, MPEG2 and MVC formats
 Video Interfaces	VGA standard analog video interface 18 / 24 bit single / dual channel LVDS interface (VESA and JEIDA color mapping compatible)
 Video Resolution	CRT Interface: Up to 2560 x 1600 @ 60Hz LVDS interface: Up to 1920 x 1200 @ 60Hz
 Mass Storage	Optional eMMC drive soldered on-board 2 x external SATA or 2 x PATA or 1 x PATA + 1 x SATA channels (factory options) µSD Card Slot
 Networking	Gigabit Ethernet controller, makes available a 10 / 100Mbps Ethernet interface
 USB	4 x USB 2.0 Host ports

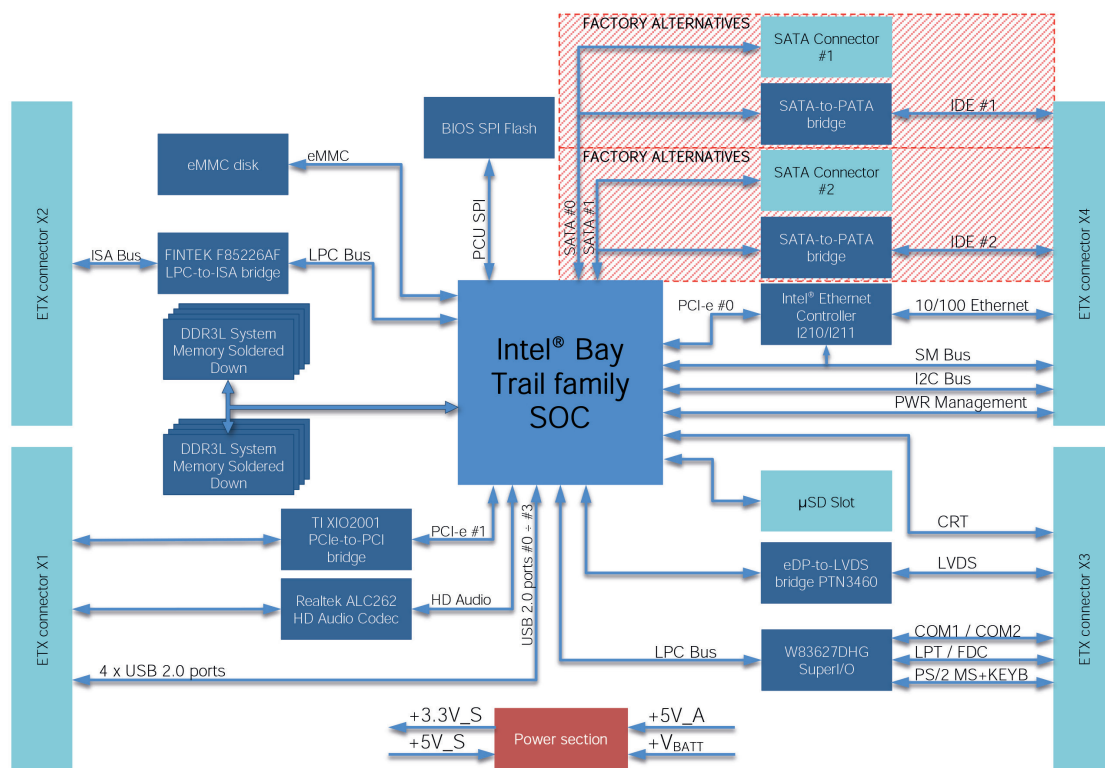
 Audio	HD Audio codec, Realtek ALC262
 Serial Ports	2 x Serial ports (TX / RX / RTS / CTS signals, TTL interface)
 Other Interfaces	PCI Bus rel. 2.3 compliant ISA Bus LPT interface shared with Floppy Drive interface PS / 2 mouse and keyboard interface I2C Bus SM Bus Watch Dog timer Power Management Signals
 Power Supply	+5V _{DC} ± 5% and + 5V _{SB} (optional)
 Operating System	Microsoft® Windows 7 (32 / 64 bit) Microsoft® Windows 8.1 (32 / 64 bit) Microsoft® Windows 10 (32 / 64 bit) Microsoft® Windows 10 IoT Microsoft® Windows Embedded Standard 7 (32 / 64 bit) Microsoft® Windows Embedded Standard 8 (32 / 64 bit) Microsoft® Windows Embedded Compact 7 Linux (32 / 64 bit) Yocto
 Operating Temperature*	0°C ÷ +60°C (Commercial version)
 Dimensions	114 x 95 mm (4.49" x 3.74")

*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.

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BLOCK DIAGRAM



ORDERING INFORMATION

PN*	DESCRIPTION
TA61-2400-2110-C0	Bay Trail-D J1900 @2.00 GHz QC - RAM DDR3L 2GB - SATA 0 converted to PATA - SATA 1 on connector - PCI clock free runnig - Comm. Temp
TA61-3100-2110-C0	Bay Trail-I E3815 @1.46 GHz SC - RAM DDR3L 1GB - SATA 0 converted to PATA - SATA 1 on connector - PCI clock free runnig - Comm. Temp
TA61-3130-2110-C0	Bay Trail-I E3815 @1.46 GHz SC - RAM DDR3L 1GB - eMMC 8GB - SATA 0 converted to PATA - SATA 1 on connector - PCI clock free runnig - Comm. Temp
TA61-5400-1110-C0	Bay Trail-I E3826 @1.46 GHz DC - RAM DDR3L 2GB - SATA 0 converted to PATA - SATA 1 converted to PATA - PCI clock free runnig - Comm. Temp
TA61-5430-2110-C0	Bay Trail-I E3826 @1.46 GHz DC - RAM DDR3L 2GB - eMMC 8GB - SATA 0 converted to PATA - SATA 1 on connector - PCI clock free runnig - Comm. Temp
TA61-8100-2110-C0	Bay Trail-M N2807 @1.58 GHz DC - RAM DDR3L 1GB - SATA 0 converted to PATA - SATA 1 on connector - PCI clock free runnig - Comm. Temp

*Additional configurations may be available. Please inquire for more information.

ACCESSORIES

PN	DESCRIPTION
TA61-DISS-1-PK	Heat Spreader (PASSIVE)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

SECO:

[TA61-8100-211A-C0](#) [TA61-2400-2110-C0](#) [TA61-3100-2110-C0](#) [TA61-3130-2110-C0](#) [TA61-5400-1110-C0](#) [TA61-5430-2110-C0](#)